



SPW
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)
Robert M. Zeidman) Examiner: Ben C. Wang
Serial No.: 10/688,573) Art Unit: 2196
Filed: October 20, 2003)
For: Software Tool for Synthesizing a)
Real-Time Operating System)

)

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Transmittal for an Amendment and Response to Office Action

Dear Sir:

In response to the Office Action mailed November 21, 2006, please find enclosed:

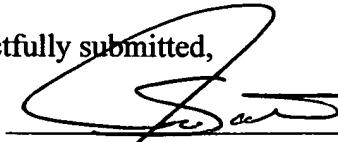
- (1) An Amendment and Response to Office Action;
- (2) Fee Transmittal, in duplicate, and
- (3) Check # 176 in the amount of \$25.00 for the required small entity fees, and



Please associate this patent application with Customer No. **48809**.

Respectfully submitted,

Date: January 26, 2007


Jim H. Salter
Registration Number: 35,668

Customer No. **48809**
105 Thoreau Lane
Folsom, CA 95630
408-406-4855

FIRST CLASS MAIL CERTIFICATE OF MAILING

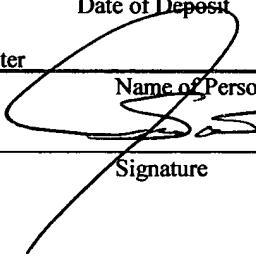
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450

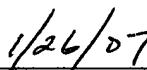
on January 26, 2007.

Date of Deposit

Jim H. Salter

Name of Person Mailing Correspondence


Signature


Date



FEE TRANSMITTAL FOR FY 2005
 (FY 2005 Begins 10/01/2004. Fee changes made on 11/22/04 and 12/08/04 are included.)

TOTAL AMOUNT OF PAYMENT (\$) 25.00

Complete if Known:

Application No. 10/688,573

Filing Date October 20, 2003

First Named Inventor Robert M. Zeidman

Examiner Name Ben C. Wang

Art Unit 2196

Attorney Docket No. Zeid-01

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None

Deposit Account

Deposit Account Number : _____

— The Director is Authorized to do the following with respect to the above-identified Deposit Account:

- Charge fee(s) indicated below.
- Credit any overpayments.
- Charge any additional fees during the pendency of this application.
- Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.
- Charge fee(s) indicated below except for the filing fee

FEE CALCULATION

1A. BASIC FILING FEE/SEARCH FEE/EXAMINATION FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee	Fee		
Code	(\$)	Fee Description	
1011	300	2011 150 Utility application filing fee	{ 1,000/500*
1111	500	2111 250 Utility search fee	
1311	200	2311 100 Utility examination fee	
1012	200	2012 100 Design application filing fee	{ 430/215*
1112	100	2112 50 Design search fee	
1312	130	2312 65 Design examination fee	
1013	200	2013 100 Plant filing fee	{ 660/330*
1113	300	2113 150 Plant search fee	
1313	160	2313 80 Plant examination fee	
1004	300	2004 150 Reissue filing fee	{ 1,400/700*
1114	500	2114 250 Reissue search fee	
1314	600	2314 300 Reissue examination fee	
1005	200	2005 100 Provisional application filing fee	

SUBTOTAL (1) \$ 0

* List the filing, search, and examination fees separately, but pay concurrently.

1B. APPLICATION SIZE FEE

Total Sheets	- 100 =		Extra Sheets /50 =	Fee from below * X	Fee paid
			*(round up to integer)		0

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)
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				Fee Description
1081 250				Utility application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)
1082 250				Design application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)
1083 250				Plant application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)
1084 250				Reissue application fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)

SUBTOTAL (2) \$ 0

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	21	- 20** =	1	Fee from below	Fee Paid
Independent Claims	3	- 3** =	0	X 25	= 25
Multiple Dependent				X 0	= 0
					= 0

**Or number previously paid, if greater; For Reissues, see below.

Large Entity Small Entity

Code	(\$)	Code	(\$)
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				Fee Description
1202 50				Claims in excess of 20
1201 200				Independent claims in excess of 3
1203 360				Multiple dependent claim, if not paid
1204 200				**Reissue independent claims over original patent
1205 50				**Reissue claims in excess of 20 and over original patent

SUBTOTAL (3) \$ 25.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

<u>Large Entity</u>		<u>Small Entity</u>			<u>Fee Description</u>	<u>Fee Paid</u>
Fee	Fee	Fee	Fee			
Code	(\$)	Code	(\$)			
1051	130	2051	65		Surcharge - late filing fee or oath	
1052	50	2052	25		Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130		Non-English specification	
1812	2,520	1812	2,520		For filing a request for ex parte reexamination	
1813	8,800	1813	8,800		Request for inter parties reexamination	
1804*	920*	1804	920*		Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*		Requesting publication of SIR after Examiner action	
1251	120	2251	60		Extension for reply within first month	
1252	450	2252	225		Extension for reply within second month	
1253	1,020	2253	510		Extension for reply within third month	
1254	1,590	2254	795		Extension for reply within fourth month	
1255	2,160	2255	1,080		Extension for reply within fifth month	
1401	500	2401	250		Notice of Appeal	
1402	500	2402	250		Filing a brief in support of an appeal	
1403	1,000	2403	500		Request for oral hearing	
1451	1,510	1451	1,510		Petition to institute a public use proceeding	
1452	500	2452	250		Petition to revive – unavoidable	
1453	1,500	2453	750		Petition to revive - unintentional	
1501	1,400	2501	700		Utility issue fee (or reissue)	
1502	800	2502	400		Design issue fee	
1503	1100	2503	550		Plant issue fee	
1464	130	1460	130		Petitions to the Commissioner (CFR 1.17(h) Group III)	
1463	200	1460	200		Petitions to the Commissioner (CFR 1.17(g) Group II)	
1462	400	1460	400		Petitions to the Commissioner (CFR 1.17(f) Group I)	
1807	50	1807	50		Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180		Submission of Information Disclosure Stmt	
8021	40	8021	40		Recording each patent assignment per property (times number of properties)	
1809	790	2809	395		For filing a submission after final rejection (see 37 CFR 1.129(a))	
1814	130	2814	65		Statutory Disclaimer	
1810	790	2810	395		For each additional invention to be examined (see 37 CFR 1.129(b))	
1801	790	2801	395		Request for Continued Examination (RCE)	
1802	900	1802	900		Request for expedited examination of a design application	
1504	300	1504	300		Publication fee for early, voluntary, or normal pub.	
1505	300	1505	300		Publication fee for republication	
1803	130	1803	130		Request for voluntary publication or republication	
1808	130	1808	130		Processing fee under 37 CFR 1.17(i) (except provisionals)	
1454	1,370	1454	1,370		Acceptance of unintentionally delayed claim for priority	

Other fee (specify) _____

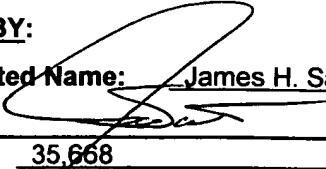
Other fee (specify) _____

SUBTOTAL (4) \$ _____

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:

Typed or Printed Name: James H. Salter

Signature: 

Date: 1/26/07

Reg. Number: 35,668

Telephone Number: (408) 406-4855

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

Serial Number: 10/688,573

Filing Date: October 20, 2003

Title: SOFTWARE TOOL FOR SYNTHESIZING A REAL-TIME OPERATING SYSTEM

Page 1
Dkt: Zeid-01

S/N 10/688,573

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Robert M. Zeidman

Examiner: Ben C. Wang

Serial No.: 10/688,573

Group Art Unit: 2196

Filed: October 20, 2003

Docket No.: Zeid-01

Title: SOFTWARE TOOL FOR SYNTHESIZING A REAL-TIME OPERATING
SYSTEM

AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

This responds to the Office Action mailed on November 21, 2006. Please amend the above-identified patent application as follows.

IN THE CLAIMS

Please amend the claims as follows:

- 1) (Currently Amended) A method for developing a real-time operating system, comprising:
 - a) specifying a set of n tasks, task (1) through task(n), to be scheduled for execution, at least one of the tasks of said set of n tasks being selectively configurable as a preemptive or a non-preemptive task;
 - b) specifying an a scheduling algorithm for scheduling the execution of said set of n tasks; and
 - c) synthesizing source code with embedded commands to implement a task scheduler that uses said scheduling algorithm and said embedded commands for controlling execution of said set of n tasks.
- 2) (Currently Amended) The method of claim 1) further including specifying t init-tasks that are executed only once upon initial execution of said task scheduler, t being less than or equal to n.
- 3) (Currently Amended) The method of claim 1) further including specifying f f-loop tasks, each having an associated integer value l(i) for i ranging from 1 to f and f being less than or equal to n, said task scheduler including a continuously executing loop such that each f-loop task executes exactly once every l(i) times that the loop is executed.